Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 31 Jul 2023 until 23:59 on Tuesday 01 Aug 2023

Forecast Issued on Sunday 30 Jul 2023 at 13:15

Confidence: High for a continuation of unsettled conditions. Only moderate confidence in forecast details over the next few days, particularly in the timing and extent of rain and showers.

Headline for Monday 31 Jul 2023: Heavy rain clearing to brighter spells and frequent showers, turning heavier later.

Mountain weather hazards on Monday 31 Jul 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Light rain	Drizzle	Light rain showers	Heavy rain showers	Heavy rain showers	Light rain showers (night)
Precipitation probability							
90%	80%	60%	40%	40%	40%	60%	30%

Forecast for Monday 31 Jul 2023

Weather: Overcast with persistent, often heavy rain, through the early hours. This clearing away to the north gradually through the morning, turning increasingly drizzle in the west and drier across the eastern Dales. Cloud breaking to give some brighter spells by the afternoon before showers develop widely. Showers turning locally heavy and persisting through the afternoon and into the evening and overnight. Low confidence in details surrounding morning rain.

Chance of cloud-free hill tops above 600m: 10% in the west improving to 60%. 30% in the east becoming 70%.

Low Cloud and visibility: Extensive low cloud with bases around 300-400m through the morning, perhaps higher for a time in the east. Low cloud associated with the rain band is expected to increasingly lift clear of hills and break up by the afternoon but may persist across higher peaks in the western Dales throughout. Bases elsewhere may dip around showers to cover higher summits. Visibility poor or very poor in heavy rain or drizzle, improving good or very good. Moderate to poor visibility in showers.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Monday 31 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/15 S	18/26 SW	17/26 W	18/26 W	18/27 W	19/29 W	17/26 W	15/22 W	13/20 W
300	5/12 S	12/24 SW	13/25 W	14/26 W	14/26 W	16/30 W	14/27 W	11/21 W	9/18 W
Valley	5/15 S	11/23 SW	11/22 W	13/24 SW	13/25 W	13/26 W	12/24 W	8/19 W	6/15 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/10	13/10	12/9	12/9	12/8	11/8	11/8	10/8	10/8
300	13/13	14/12	14/12	14/11	14/12	13/11	13/10	12/11	12/10
Valley	15/14	15/14	15/13	15/13	15/13	15/12	14/12	14/13	14/13
Freezing Level*	2900m	2700m	2600m	2500m	2500m	2500m	2500m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Watercourses may become swollen and surfaces saturated and slippery. Extensive low cloud and heavy rain making for challenging navigation and difficult walking conditions, especially on higher routes in the west. Improvements through the afternoon, but still seeing prolonged deterioration across higher routes in the vicinity of showers.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sun 30 Jul 2023	7.8mm	8.8mm	9.2mm

Forecast for Tuesday 01 Aug 2023

Weather: Banks of low cloud throughout the morning accompanied by rain and drizzle. This may persist across the northern Dales for much of the day. Conditions likely improving gradually through the afternoon, especially in the south with some bright spells and isolated showers. Showers perhaps turning locally heavy. Drier and brighter through the evening, with cloud thickening from the west late on. Low confidence.

Maximum wind: West 10-15mph, gusts 20-25mph. Turning south and easing later.

Chance of cloud-free hill tops above 600m: 20% at first, improving from the south to 70%.

Low Cloud and visibility: Banks of low cloud with bases around 400m, more extensively over the northern Dales. Cloud then likely lifting clear of most summits, around 600-700m. Breaks developing more widely in the south. Bases may lower to around 500m in the vicinity of heavier showers. Visibility generally good, but poor or very poor in rain and drizzle and moderate in showers.

Temperature: **Valleys:** Plus 13 Celsius, rising to Plus 16 Celsius.
At 600m: Plus 9 Celsius becoming Plus 12 Celsius.
Freezing level: Remaining well above summits.

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